



PCT Rec'd PCT/PTO 13 DEC 2004 INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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			WIPO	PCT	
Applicant's or agent's file reference 1100WOORD01	FOR FURTHER A		ation of Transmittal of Interna Examination Report (Form P		
International application No. International filling date (day/month/year) Priority date (day/month/year) 14.06.2002					
International Patent Classification (IPC) or b	oth national classification	and IPC			
00/15401/14					
Applicant ALTANA PHARMA AG et al.					
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of	2. This REPORT consists of a total of 4 sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a total of sheets.					
This report contains indications relating to the following items:					
I 🛛 Basis of the opinion					
II □ Priority			,		
III 🛛 Non-establishment of d	III 🗵 Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
IV 🔲 Lack of unity of inventi	IV Lack of unity of invention				
V 🖾 Reasoned statement u citations and explanati	V 🖾 Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI 🔲 Certain documents cité	ed				
VII Certain defects in the i	nternational application	1	•		
VIII Certain observations o	n the international appl	ication			
Date of submission of the demand Date of completion of this report					
17.12.2003 04.03.2004					
Name and mailing address of the international preliminary examining authority: Authorized Officer				A ISOES NOOP	

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/06016

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١.	Basi	s of	the	ren	ort

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	escription, Pages		
	1-2	28	as originally filed	
	Cla	aims, Numbers		
	1-1	19	as originally filed	
2	. Wi lan	th regard to the lang u guage in which the in	age, all the elements marked above were available or furnished to this Authority in the ternational application was filed, unless otherwise indicated under this item.	
These elements were available or furnished to this Authority in the following language: , which				
		the language of a tr	anslation furnished for the purposes of the international search (under Rule 23.1(b)).	
			elication of the international application (under Rule 48.3(b)).	
			anslation furnished for the purposes of international preliminary examination (under	
3.	 With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: 			
		contained in the inte	ernational application in written form.	
		filed together with th	ne international application in computer readable form.	
		furnished subseque	ntly to this Authority in written form.	
		furnished subseque	ntly to this Authority in computer readable form.	
		The statement that t in the international a	the subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.	
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.	
4.	The	amendments have r	esulted in the cancellation of:	
		the description,	pages:	
		the claims,	Nos.:	
		the drawings,	sheets:	
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).	
		(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this	
6.	Add	itional observations, i	f necessary:	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/06016

Ш	. No	n-establishment of opinion v	vith re	gard to nov	elty, inventive step and industrial applicability	
1.	The obv	ne questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- ovious), or to be industrially applicable have not been examined in respect of:				
		the entire international applic	ation,		·	
	⊠ claims Nos. 17,18					
because:						
	the said international application, or the said claims Nos. 17,18 - IA relate to the following subject matt which does not require an international preliminary examination (specify):				ms Nos. 17,18 - IA relate to the following subject matter try examination (specify):	
see separate sheet						
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opin could be formed.					
		no international search report	has b	een establish	ned for the said claims Nos.	
2.	or a	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:				
		the written form has not been	furnisl	hed or does i	not comply with the Standard.	
		the computer readable form h	as not	been furnish	ed or does not comply with the Standard.	
√ .	Rea cita	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
۱.	Stat	atement				
	Nov	elty (N)	Yes: No:	Claims Claims	1-19	
	Inve	ntive step (IS)	Yes: No:	Claims Claims	1-19	
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-16,19	

2. Citations and explanations

see separate sheet



point III:

Claims 17,18 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(i) PCT).

point V:

The present application relates to the field of kinase inhibitors; the substituted diaminopyridine compounds claimed are said to be active as **Protein Kinase C** theta inhibitors.

The structural features of said compounds are:

- a 2,4-diamino pyrimidine core structure,
- an N-substituted piperidinyl moiety at the C-4 amino group,
- a mono- or bicyclic (het)aromatic radical attached via a bridging member at the C-2 amino group and
- a mono- or bicyclic (het)aromatic radical present at C-5 of the pyrimidine nucleus.

This combination of structural features is neither disclosed nor made obvious by the available prior art; novelty and inventive step are acknowledged; Art.33(2) (3) PCT.

For the assessment of the present claims 17,18 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.